

ABSTRACT

There are provided a high-order current distortion compensator which uses rotational position information on an electric motor and a target current value of the electric motor for deciding a compensation value for current high-order-component for canceling torque ripple caused by predetermined high-order components of a current flowing through the motor, and a correction portion which corrects the target current value by using the compensation value supplied from the high-order current distortion compensator. A feedback controller provides feedback control of the electric motor based on the target current value corrected by the correction portion. Thus is suppressed the torque ripple caused by the predetermined high-order components, whereby the degradation of steering feeling is reduced.